

Application No.: 10/751142

Case No.: 59492US002

Amendments to the Claims

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (original): A process for preparing fluorochemical monoisocyanates comprising reacting at least one fluorochemical alcohol represented by the formula $C_nF_{2n+1}SO_2NCH_3(CH_2)_mOH$, wherein $n = 2$ to 5 , and $m = 2$ to 4 , with 4,4'-diphenylmethane diisocyanate (MDI) in a solvent in which the resulting fluorochemical monoisocyanate is not soluble; wherein the molar ratio of fluorochemical alcohol:MDI is from about 1:1 to about 1:2.5.
2. (original): The process of claim 0 wherein $n = 2$ to 4 .
3. (original): The process of claim 2 wherein $n = 4$.
4. (original): The process of claim 2 wherein said fluorochemical alcohol is selected from the group consisting of $C_2F_5SO_2NCH_3(CH_2)_2OH$, $C_4F_9SO_2NCH_3(CH_2)_2OH$, $C_4F_9SO_2NCH_3(CH_2)_4OH$, and mixtures thereof.
5. (original): The process of claim 4 wherein said fluorochemical alcohol is selected from the group consisting of $C_4F_9SO_2NCH_3(CH_2)_2OH$, $C_4F_9SO_2NCH_3(CH_2)_4OH$, and mixtures thereof.
6. (original): The process of claim 5 wherein said fluorochemical alcohol is $C_4F_9SO_2NCH_3(CH_2)_2OH$.
7. (original): The process of claim 0 wherein said solvent is a nonpolar solvent.

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8. (original): The process of claim 7 wherein said solvent is a non-aromatic hydrocarbon or halogenated solvent.
9. (currently amended): The process of claim 0 wherein said solvent is selected from the group consisting of methyl nonafluoroisobutyl ether, methyl nonafluorobutyl ether, petroleum ether, *n*-heptane, and mixtures thereof.
10. (original): The process of claim 0 wherein said solvent has a solubility parameter of less than about $8.3 \text{ (cal/cm}^3)^{1/2}$ and a hydrogen bonding index of less than about 4.
11. (original): The process of claim 0 wherein said molar ratio of fluorochemical alcohol:MDI is from about 1:1 to about 1:2.
12. (original): The process of claim 11 wherein said molar ratio of fluorochemical alcohol:MDI is from about 1:1.1 to about 1:1.5.
13. (original): The process of claim 0 wherein said fluorochemical alcohol and said MDI are reacted in the presence of a catalyst.
14. (original): The process of claim 13 wherein said catalyst is an organotin compound or a tertiary amine.
15. (original): The process of claim 14 wherein said catalyst is dibutyltin dilaurate.
16. 16 – 18. (canceled)
19. (original): The process of claim 0 further comprising reacting the resulting fluorochemical monoisocyanate with a hydroxy alkyl acrylate.